

INSTALLATION INSTRUCTIONS

Bag-In-Box Post-Mix Dispensing System Kit

SAFETY INSTRUCTIONS

 **WARNING:**

Before starting installation, read and understand all safety label and warnings on the machine. Also review and understand all safety instructions in the owners, installation and service manuals.

Failure to comply could result in serious injury, death or damage to the equipment.

QUALIFIED SERVICE PERSONNEL

 **WARNING:**

Only trained and certified electrical, plumbing and refrigeration technicians should service this unit.

All wiring and plumbing must conform to national and local codes. Failure to comply could result in serious injury, death or equipment damage.

SAFETY PRECAUTIONS

This unit has been specifically designed to provide protection against personal injury. To ensure continued protection observe the following:

 **WARNING:**

Disconnect power to the unit before servicing. Follow all lock out/tag out procedures established by the user. Verify all power is off to the unit before performing any work.

Failure to comply could result in serious injury, death or damage to the equipment.

 **CAUTION:**

Always be sure to keep area around the unit clean and free of clutter.

Failure to keep this area clean may result in injury or equipment damage.

INSTALLATION INSTRUCTIONS

Read and understand these instructions thoroughly before installing and operating the Eight, Twelve or Sixteen-Flavor Bag-in-Box Post-Mix Dispensing System Installation. Retain these instructions for future reference.

NOTE: These instructions are applicable for P/N 300202008, 300202012, 300202016, 569000677.

Table 1. Loose-shipped Parts

Item No.	Part No.	Name	Qty 8 Fla	Qty 12 Fla	Qty 16 Fla
1	113375100	Tubing, Vinyl; .375 I.D. by .625 O.D. (100- Ft. roll)	100	100	100
2	174478100	Tubing, Flexcore, .265 I.D. by .465 O.D.(100-Ft. roll)	1	1	1
3	77040700	Barbed Reducer, 1/4 by 3/8	8	12	16
4	183497122	Primary Regulator Ass'y, CO2 (569000677 Not)	1	1	1
5	360174000	Cable Tie	30	30	40
6	77010400	Nipple for .265 I.D. Tubing	5	5	
7	176017000	Swivel Nut, 7/16-20	5	5	5
8	167380000	Tubing Clamp, for .625 O.D. Tubing	75	100	120
9	300200000	Tubing Clamp, for .524 O.D. Tubing	36	52	66
10	178025100	Tapered Gasket, White	5	5	5
11	77060100	Barbed Tee Fitting, 1/4	1	1	1
12	77060200	Barbed Cross Fitting, 1/4	3	5	8
13	300204002INS	Instruction Sheet	1	1	1
14	174292100	Tubing, Braided, .375 I.D. by .610 (100 Ft.)	1	1	1
15	77030100	Swivel Nut, 5/8 -18	5	5	5
16	77030500	Nipple, for .375 I D. Tubing	5	5	5
17	186527000	Brady Marker, No. 1	12	12	20
18	186528000	Brady Marker, No. 2	12	12	20
19	186529000	Brady Marker, No. 3	12	12	20
20	186530000	Brady Marker, No. 4	12	12	20
21	186531000	Brady Marker, No. 5	12	12	20
22	186532000	Brady Marker, No. 6	12	12	20
23	186568000	Brady Marker, No. 7	12	12	16
24	310363000	Brady Marker, Water	12	12	20
25	310364000	Brady Marker, CO2	12	12	20
26	311304000	Gasket	5	5	5
27	134410001	Tool-Wrench Offset	1	1	1
28	113375025	Tubing Vinyl (25 Ft.)		2	2
29	174292000	Tubing Flexcor (Ft.)			10
30	770000280	Primary Regulator Ass'y CO2 (569000677 only)	1		
31	176205000	Fitting Nipple		5	5

NOTE: Brady Markers for syrup 1 through 7, water and CO2 are provided and are to be installed for syrup, carbonated water and CO2 lines identification.

INSTALLATION

NOTE: The flow diagram on page 4 shows a 12 flavor installation. An eight flavor would have four less pump/B-I-B assemblies. A sixteen flavor installation will have four more pump/B-I-B assemblies.

WARNING:

To avoid personal injury and/or property damage, always secure CO₂ cylinder in upright position with a safety chain to prevent it from falling over. Should valve become accidentally damaged or broken off, CO₂ cylinder can cause serious personal injury.

Install Bag-in-Box Post-Mix system as shown in illustration using parts provided.

OPERATION

1. Refer to manual provided with the carbonator and adjust the primary CO₂ regulator with 160-psi gage to specified pressure.
2. Adjust syrup pumps CO₂ regulator with 100-psi gage to between 40 and 60-psi (80-psi maximum).
3. Activate the plain water supply to the carbonator, then start the carbonator.
4. Connect a full Bag-in-Box into each syrup system.
5. Dispense from all dispensing valves until product is dispensed.
6. Adjust the Water-to-Syrup "Ratio" (Brix) of the dispensed product as specified in the manual provided with the dispensing station.

MAINTENANCE

CO₂ (CARBON DIOXIDE) WARNING

DANGER:

CO₂ displaces oxygen. Strict attention **MUST** be observed in the prevention of CO₂ gas leaks in the entire CO₂ and soft drink system. If a CO₂ gas leak is suspected, particularly in a small area, **IMMEDIATELY** ventilate the contaminated area before attempting to repair the leak. Personnel exposed to high concentrations of CO₂ gas experience tremors which are followed rapidly by loss of consciousness and **DEATH**.

1. Make sure CO₂ and syrup supplies are maintained at all times.
2. Remove syrup accumulation from the Bag-in-Box connectors by immersing and washing them in warm water.
3. To replenish the syrup supply, disconnect syrup line connector from the empty Bag-in-Box, then connect syrup line connector to a full box.

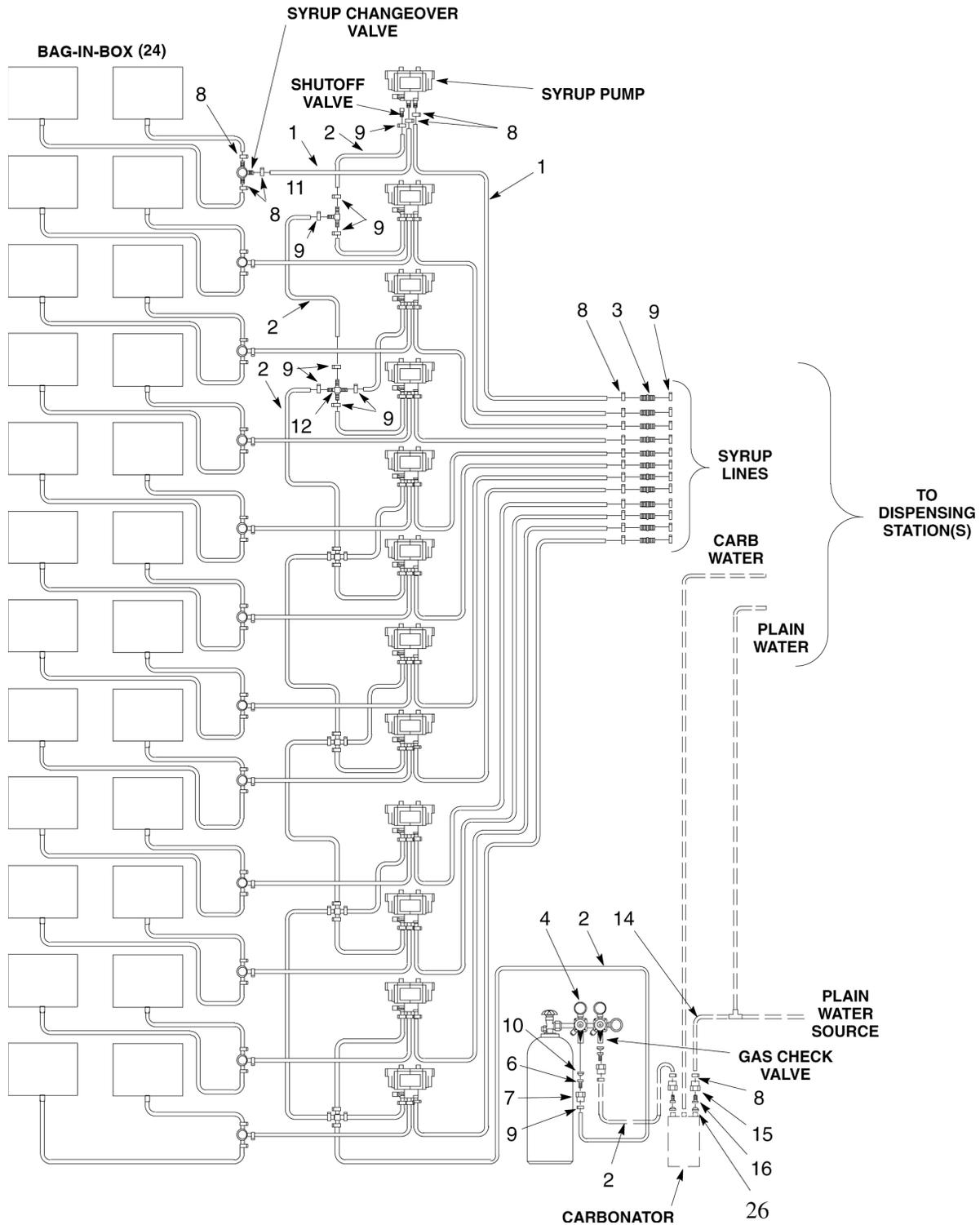


Figure 2. Bag-In-Box Post-Mix Dispensing System (12 Flavor Installation Shown.)